Fig. 1a

```
GGGAAATGCTACCATTCGCTCCTCAGGACGAGCCCTGGGACCGAGAAATGGAAGTGTTCA 60
    M  L  P  F  A  P  Q  D  E  P  W  D  R  E  M  E  V  F  S 19
GCGGCGGCGGCGCGAGCAGCGGCGAGGTAAATGGTCTTAAAATGGTTGATGAGCCAATGG 120
  G  G  G  A  S  S  G  E  V  N  G  L  K  M  V  D  E  P  M  E 39
AAGAGGGAGAAGCAGATTCTTGTCATGATGAAGGAGTTGTTAAAGAAATCCCTATTACTC 180
  E  G  E  A  D  S  C  H  D  E  G  V  V  K  E  I  P  I  T  H 59
ATCATGTTAAGGAAGGCTATGAGAAAGCAGATCCTGCACAGTTTGAGTTGCTCAAGGTTC 240
  H  V  K  E  G  Y  E  K  A  D  P  A  Q  F  E  L  L  K  V  L 79
TTGGTCAGGGGTCATTTGGAAAGGTTTTTCTTGTTAGAAAGAAGACCGGTCCTGATGCTG 300
  G  Q  G  S  F  G  K  V  F  L  V  R  K  K  T  G  P  D  A  G 99
GGCAGCTCTATGCAATGAAGGTGTTAAAAAAAGCCTCTTTAAAAGTTCGAGACAGAGTTC 360
  Q  L  Y  A  M  K  V  L  K  K  A  S  L  K  V  R  D  R  V  R 119
GGACAAAGATGGAGAGGGATATACTGGTGGAAGTAAATCATCCATTTATTGTCAAATTGC 420
  T  K  M  E  R  D  I  L  V  E  V  N  H  P  F  I  V  K  L  H 139
ACTATGCCTTTCAGACTGAAGGGAAACTGTACTTAATACTGGATTTTCTCAGGGGAGGAG 480
  Y  A  F  Q  T  E  G  K  L  Y  L  I  L  D  F  L  R  G  G  D 159
ATGTTTTCACAAGATTATCCAAAGAGGTTCTGTTTACAGAGGAAGATGTGAAATTCTACC 540
  V  F  T  R  L  S  K  E  V  L  F  T  E  E  D  V  K  F  Y  L 179
TCGCAGAACTGGCCCTTGCTTTGGATCATCTGCACCAATTAGGAATTGTTTATAGAGACC 600
  A  E  L  A  L  A  L  D  H  L  H  Q  L  G  I  V  Y  R  D  L 199
TGAAGCCAGAAAACATTTTGCTTGATGAAATAGGACATATCAAATTAACAGATTTTGGAC 660
  K  P  E  N  I  L  L  D  E  I  G  H  I  K  L  T  D  F  G  L 219
TCAGCAAGGAGTCAGTAGATCAAGAAAAGAAGGCTTACTCATTTTGTGGTACAGTAGAGT 720
  S  K  E  S  V  D  Q  E  K  K  A  Y  S  F  C  G  T  V  E  Y 239
ATATGGCTCCTGAAGTAGTAAATAGGAGAGGCCATTCCCAGAGTGCTGATTGGTGGTCAT 780
  M  A  P  E  V  V  N  R  R  G  H  S  Q  S  A  D  W  W  S  Y 259
ATGGTGTTCTTATGTTTGAAATGCTTACTGGTACTCTGCCATTTCAAGGTAAAGACAGAA 840
  G  V  L  M  F  E  M  L  T  G  T  L  P  F  Q  G  K  D  R  N 279
ATGAGACCATGAATATGATATTAAAAGCAAAACTTGGAATGCCTCAATTTCTTAGTGCTG 900
  E  T  M  N  M  I  L  K  A  K  L  G  M  P  Q  F  L  S  A  E 299
AAGCACAAAGTCTTCTAAGGATGTTATTCAAAAGGAATCCAGCAAATAGATTGGGATCAG 960
  A  Q  S  L  L  R  M  L  F  K  R  N  P  A  N  R  L  G  S  E 319
AAGGAGTTGAAGAAATCAAAAGACATCTGTTTTTTGCAAATATTGACTGGGATAAATTAT 1020
  G  V  E  E  I  K  R  H  L  F  F  A  N  I  D  W  D  K  L  Y 339
ATAAAAGAGAAGTTCAACCTCCTTTCAAACCTGCTTCTGGAAAACCAGATGATACTTTTT 1080
  K  R  E  V  Q  P  P  F  K  P  A  S  G  K  P  D  D  T  F  C 359
```

Fig. 1b

```
GTTTTGATCCTGAATTTACTGCAAAAACACCTAAAGATTCTCCCGGTTTGCCAGCCAGTG 1140
  F  D  P  E  F  T  A  K  T  P  K  D  S  P  G  L  P  A  S  A 379
CAAATGCTCATCAGCTCTTCAAAGGATTCAGCTTTGTTGCAACTTCTATTGCAGAAGAAT 1200
  N  A  H  Q  L  F  K  G  F  S  F  V  A  T  S  I  A  E  E  Y 399
ATAAAATCACTCCTATCACAAGTGCAAATGTATTACCAATTGTTCAGATAAATGGAAATG 1260
  K  I  T  P  I  T  S  A  N  V  L  P  I  V  Q  I  N  G  N  A 419
CTGCACAATTTGGTGAAGTATATGAATTGAAGGAGGATATTGGTGTTGGCTCCTACTCTG 1320
  A  Q  F  G  E  V  Y  E  L  K  E  D  I  G  V  G  S  Y  S  V 439
TTTGCAAGCGATGCATACATGCAACTACCAACATGGAATTTGCAGTGAAGATCATTGACA 1380
  C  K  R  C  I  H  A  T  T  N  M  E  F  A  V  K  I  I  D  K 459
AAAGTAAGCGAGACCCTTCAGAAGAGATTGAAATATTGATGCGCTATGGACAACATCCCA 1440
  S  K  R  D  P  S  E  E  I  E  I  L  M  R  Y  G  Q  H  P  N 479
ACATTATTACTTTGAAGGATGTCTTTGATGATGGTAGATATGTTTACCTTGTTACGGATT 1500
  I  I  T  L  K  D  V  F  D  D  G  R  Y  V  Y  L  V  T  D  L 499
TAATGAAAGGAGGAGAGTTACTTGACCGTATTCTCAAACAAAAATGTTTCTCGGAACGGG 1560
  M  K  G  G  E  L  L  D  R  I  L  K  Q  K  C  F  S  E  R  E 519
AGGCTAGTGATATACTATATGTAATAAGTAAGACAGTTGACTATCTTCATTGTCAAGGAG 1620
  A  S  D  I  L  Y  V  I  S  K  T  V  D  Y  L  H  C  Q  G  V 539
TTGTTCATCGTGATCTTAAACCTAGTAATATTTTATACATGGATGAATCAGCCAGTGCAG 1680
  V  H  R  D  L  K  P  S  N  I  L  Y  M  D  E  S  A  S  A  D 559
ATTCAATCAGGATATGTGATTTTGGGTTTGCAAAACAACTTCGAGGAGAAAATGGACTTC 1740
  S  I  R  I  C  D  F  G  F  A  K  Q  L  R  G  E  N  G  L  L 579
TCTTAACTCCATGCTACACTGCAAACTTTGTTGCACCTGAGGTTCTTATGCAACAGGGAT 1800
  L  T  P  C  Y  T  A  N  F  V  A  P  E  V  L  M  Q  Q  G  Y 599
ATGATGCTGCTTGTGATATCTGGAGTTTAGGAGTCCTTTTTTACACAATGTTGGCTGGCT 1860
  D  A  A  C  D  I  W  S  L  G  V  L  F  Y  T  M  L  A  G  Y 619
ACACTCCATTTGCTAATGGCCCCAATGATACTCCTGAAGAGATACTGCTGCGTATAGGCA 1920
  T  P  F  A  N  G  P  N  D  T  P  E  E  I  L  L  R  I  G  N 639
ATGGAAAATTCTCTTTGAGTGGTGGAAACTGGGACAATATTTCAGACGGAGCAAAGGGAG 1980
  G  K  F  S  L  S  G  G  N  W  D  N  I  S  D  G  A  K  G  A 659
CAATGGTTGCAACATACTCTGCCCTGACTCACAAGACCTTTCAACCAGTCCTAGAGCCTG 2040
  M  V  A  T  Y  S  A  L  T  H  K  T  F  Q  P  V  L  E  P  V 679
TAGCTGCTTCAAGCTTAGCCCAGCGACGGAGCATGAAAAAGCGAACATCAACTGGCCTGT 2100
  A  A  S  S  L  A  Q  R  R  S  M  K  K  R  T  S  T  G  L  * 698
AAGATTTGTGGTGTTCCTAGGCCAAACTGGATGAAGATGAAATTAAATGTGTGGCTTTTT 2160
TCCTATTCTTATCAAAGGCATCGTTGTCTGCTAAATTACTTGAATATTAAGTAATATTAA 2220
ATCCCCATTTTTAGGGGAAGTGAGATTTAAAAAACCATTCACAGGTCCACAATATTCATA 2280
```

Fig. 1c

```
CTATGTGTTTGCAGTAGTGTTCAAGTGTTTATTTAAGCATATAATTGGTGTCCACCAGGT 2340
CCTCACAACTTCTCTGCACACAAGCTTCTAAAATTCCTTTCAAATAAAGTTACTTTAATA 2400
TTT                                                           2403
```

Fig. 2a

```
          1
  60
R         P         S         6         K         A         6         V
GGGAAATGCTACCATTCGCTCCTCAGGACGAGCCCTGGGACCGAGAAATGGAAGTGTTCA
R          P         S         6         K         A         6
GGGAAATGCTACCATTCGCTCCTCAGGACGAGCCCTGGGACCGAGAAATGGAAGTGTTCA

          61
 120
R         P         S         6         K         A         6         V
GCGGCGGCGGCGCGAGCAGCGGCGAGGTAAATGGTCTTAAAATGGTTGATGAGCCAATGG
R          P         S         6         K         A         6
GCGGCGGCGGCGCGAGCAGCGGCGAGGTAAATGGTCTTAAAATGGTTGATGAGCCAATGG

          121
 180
R         P         S         6         K         A         6         V
AAGAGGGAGAAGCAGATTCTTGTCATGATGAAGGAGTTGTTAAAGAAATCCCTATTACTC
R          P         S         6         K         A         6
AAGAGGGAGAAGCAGATTCTTGTCATGATGAAGGAGTTGTTAAAGAAATCCCTATTACTC

          181
 240
R         P         S         6         K         A         6         V
ATCATGTTAAGGAAGGCTATGAGAAAGCAGATCCTGCACAGTTTGAGTTGCTCAAGGTTC
R          P         S         6         K         A         6
ATCATGTTAAGGAAGGCTATGAGAAAGCAGATCCTGCACAGTTTGAGTTGCTCAAGGTTC

          241
 300
R         P         S         6         K         A         6         V
TTGGTCAGGGGTCATTTGGAAAGGTTTTTCTTGTTAGAAAGAAGACCGGTCCTGATGCTG
R          P         S         6         K         A         6
TTGGTCAGGGGTCATTTGGAAAGGTTTTTCTTGTTAGAAAGAAGACCGGTCCTGATGCTG

          301
 360
R         P         S         6         K         A         6         V
GGCAGCTCTATGCAATGAAGGTGTTAAAAAAAGCCTCTTTAAAAGTTCGAGACAGAGTTC
RPS6KA6
```

Fig. 2b

GGCAGCTCTATGCAATGAAGGTGTTAAAAAAAGCCTCTTTAAAAGTTCGAGACAGAGTTC

361
420
R P S 6 K A 6 V
GGACAAAGATGGAGAGGGATATACTGGTGGAAGTAAATCATCCATTTATTGTCAAATTGC
R P S 6 K A 6
GGACAAAGATGGAGAGGGATATACTGGTGGAAGTAAATCATCCATTTATTGTCAAATTGC

421
480
R P S 6 K A 6 V
ACTATGCCTTTCAGACTGAAGGGAAACTGTACTTAATACTGGATTTTCTCAGGGGAGGAG
R P S 6 K A 6
ACTATGCCTTTCAGACTGAAGGGAAACTGTACTTAATACTGGATTTTCTCAGGGGAGGAG

481
540
R P S 6 K A 6 V
ATGTTTTCACAAGATTATCCAAAGAGGTTCTGTTTACAGAGGAAGATGTGAAATTCTACC
R P S 6 K A 6
ATGTTTTCACAAGATTATCCAAAGAGGTTCTGTTTACAGAGGAAGATGTGAAATTCTACC

541
600
R P S 6 K A 6 V
TCGCAGAACTGGCCCTTGCTTTGGATCATCTGCACCAATTAGGAATTGTTTATAGAGACC
R P S 6 K A 6
TCGCAGAACTGGCCCTTGCTTTGGATCATCTGCACCAATTAGGAATTGTTTATAGAGACC

601
660
R P S 6 K A 6 V
TGAAGCCAGAAAACATTTTGCTTGATGAAATAGGACATATCAAATTAACAGATTTTGGAC
R P S 6 K A 6
TGAAGCCAGAAAACATTTTGCTTGATGAAATAGGACATATCAAATTAACAGATTTTGGAC

661
720

Fig. 2c

```
R        P        S        6        K        A        6        V
TCAGCAAGGAGTCAGTAGATCAAGAAAAGAAGGCTTACTCATTTTGTGGTACAGTAGAGT
R        P        S        6        K        A        6
TCAGCAAGGAGTCAGTAGATCAAGAAAAGAAGGCTTACTCATTTTGTGGTACAGTAGAGT

         721
 780
R        P        S        6        K        A        6        V
ATATGGCTCCTGAAGTAGTAAATAGGAGAGGCCATTCCCAGAGTGCTGATTGGTGGTCAT
R        P        S        6        K        A        6
ATATGGCTCCTGAAGTAGTAAATAGGAGAGGCCATTCCCAGAGTGCTGATTGGTGGTCAT

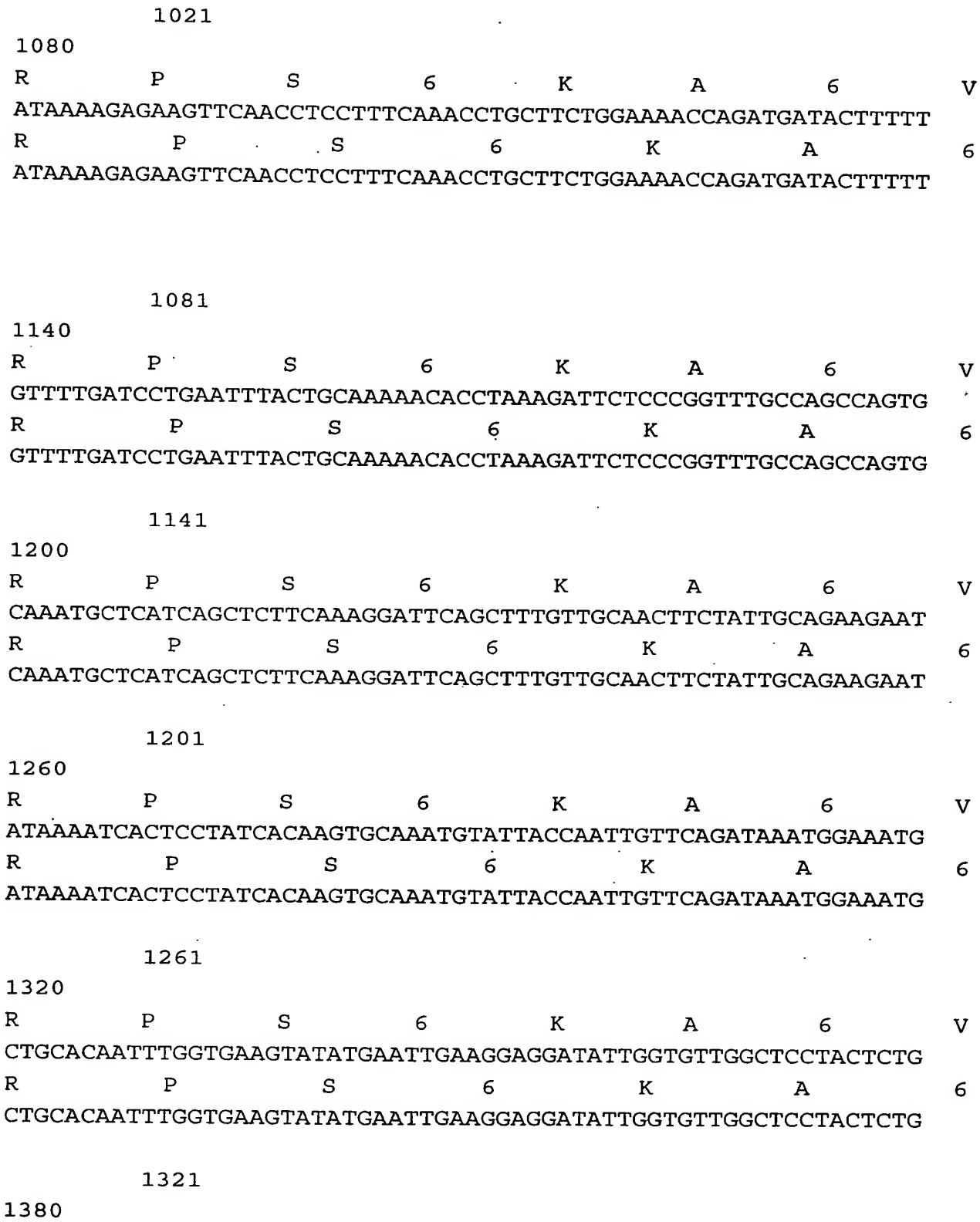
         781
 840
R        P        S        6        K        A        6        V
ATGGTGTTCTTATGTTTGAAATGCTTACTGGTACTCTGCCATTTCAAGGTAAAGACAGAA
R        P        S        6        K        A        6
ATGGTGTTCTTATGTTTGAAATGCTTACTGGTACTCTGCCATTTCAAGGTAAAGACAGAA

         841
 900
R        P        S        6        K        A        6        V
ATGAGACCATGAATATGATATTAAAAGCAAAACTTGGAATGCCTCAATTTCTTAGTGCTG
R        P        S        6        K        A        6
ATGAGACCATGAATATGATATTAAAAGCAAAACTTGGAATGCCTCAATTTCTTAGTGCTG

         901
 960
R        P        S        6        K        A        6        V
AAGCACAAAGTCTTCTAAGGATGTTATTCAAAAGGAATCCAGCAAATAGATTGGGATCAG
R        P        S        6        K        A        6
AAGCACAAAGTCTTCTAAGGATGTTATTCAAAAGGAATCCAGCAAATAGATTGGGATCAG

         961
1020
R        P        S        6        K        A        6        V
AAGGAGTTGAAGAAATCAAAAGACATCTGTTTTTTGCAAATATTGACTGGGATAAATTAT
R        P        S        6        K        A        6
AAGGAGTTGAAGAAATCAAAAGACATCTGTTTTTTGCAAATATTGACTGGGATAAATTAT
```

Fig. 2d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1080
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1081
1140
R P S 6 K A 6 V
GTTTTGATCCTGAATTTACTGCAAAAACACCTAAAGATTCTCCCGGTTTGCCAGCCAGTG
R P S 6 K A 6
GTTTTGATCCTGAATTTACTGCAAAAACACCTAAAGATTCTCCCGGTTTGCCAGCCAGTG
1141
1200
R P S 6 K A 6 V
CAAATGCTCATCAGCTCTTCAAAGGATTCAGCTTTGTTGCAACTTCTATTGCAGAAGAAT
R P S 6 K A 6
CAAATGCTCATCAGCTCTTCAAAGGATTCAGCTTTGTTGCAACTTCTATTGCAGAAGAAT
1201
1260
R P S 6 K A 6 V
ATAAAATCACTCCTATCACAAGTGCAAATGTATTACCAATTGTTCAGATAAATGGAAATG
R P S 6 K A 6
ATAAAATCACTCCTATCACAAGTGCAAATGTATTACCAATTGTTCAGATAAATGGAAATG
1261
1320
R P S 6 K A 6 V
CTGCACAATTTGGTGAAGTATATGAATTGAAGGAGGATATTGGTGTTGGCTCCTACTCTG
R P S 6 K A 6
CTGCACAATTTGGTGAAGTATATGAATTGAAGGAGGATATTGGTGTTGGCTCCTACTCTG
1321
1380

Fig. 2e

```
R       P       S       6       K       A       6       V
TTTGCAAGCGATGCATACATGCAACTACCAACATGGAATTTGCAGTGAAGATCATTGACA
R       P       S       6       K       A       6
TTTGCAAGCGATGCATACATGCAACTACCAACATGGAATTTGCAGTGAAGATCATTGACA

        1381
1440
R       P       S       6       K       A       6       V
AAAGTAAGCGAGACCCTTCAGAAGAGATTGAAATATTGATGCGCTATGGACAACATCCCA
R       P       S       6       K       A       6
AAAGTAAGCGAGACCCTTCAGAAGAGATTGAAATATTGATGCGCTATGGACAACATCCCA

        1441
1500
R       P       S       6       K       A       6       V
ACATTATTACTTTGAAGGATGTCTTTGATGATGGTAGATATGTTTACCTTGTTACGGATT
R       P       S       6       K       A       6
ACATTATTACTTTGAAGGATGTCTTTGATGATGGTAGATATGTTTACCTTGTTACGGATT

        1501
1560
R       P       S       6       K       A       6       V
TAATGAAAGGAGGAGAGTTACTTGACCGTATTCTCAAACAAAAATGTTTCTCGGAACGGG
R       P       S       6       K       A       6
TAATGAAAGGAGGAGAGTTACTTGACCGTATTCTCAAACAAAAATGTTTCTCGGAACGGG

        1561
1620
R       P       S       6       K       A       6       V
AGGCTAGTGATATACTATATGTAATAAGTAAGACAGTTGACTATCTTCATTGTCAAGGAG
R       P       S       6       K       A       6
AGGCTAGTGATATACTATATGTAATAAGTAAGACAGTTGACTATCTTCATTGTCAAGGAG


        1621
1680
R       P       S       6       K       A       6       V
TTGTTCATCGTGATCTTAAACCTAGTAATATTTTATACATGGATGAATCAGCCAGTGCAG
```

Fig. 2f

```
R          P          S          6          K          A          6
TTGTTCATCGTGATCTTAAACCTAGTAATATTTTATACATGGATGAATCAGCCAGTGCAG

          1681
1740
R          P          S          6          K          A          6          V
ATTCAATCAGGATATGTGATTTTGGGTTTGCAAAACAACTTCGAGGAGAAAATGGACTTC
R          P          S          6          K          A          6
ATTCAATCAGGATATGTGATTTTGGGTTTGCAAAACAACTTCGAGGAGAAAATGGACTTC

          1741
1800
R          P          S          6          K          A          6          V
TCTTAACTCCATGCTACACTGCAAACTTTGTTGCACCTGAGGTTCTTATGCAACAGGGAT
R          P          S          6          K          A          6
TCTTAACTCCATGCTACACTGCAAACTTTGTTGCACCTGAGGTTCTTATGCAACAGGGAT

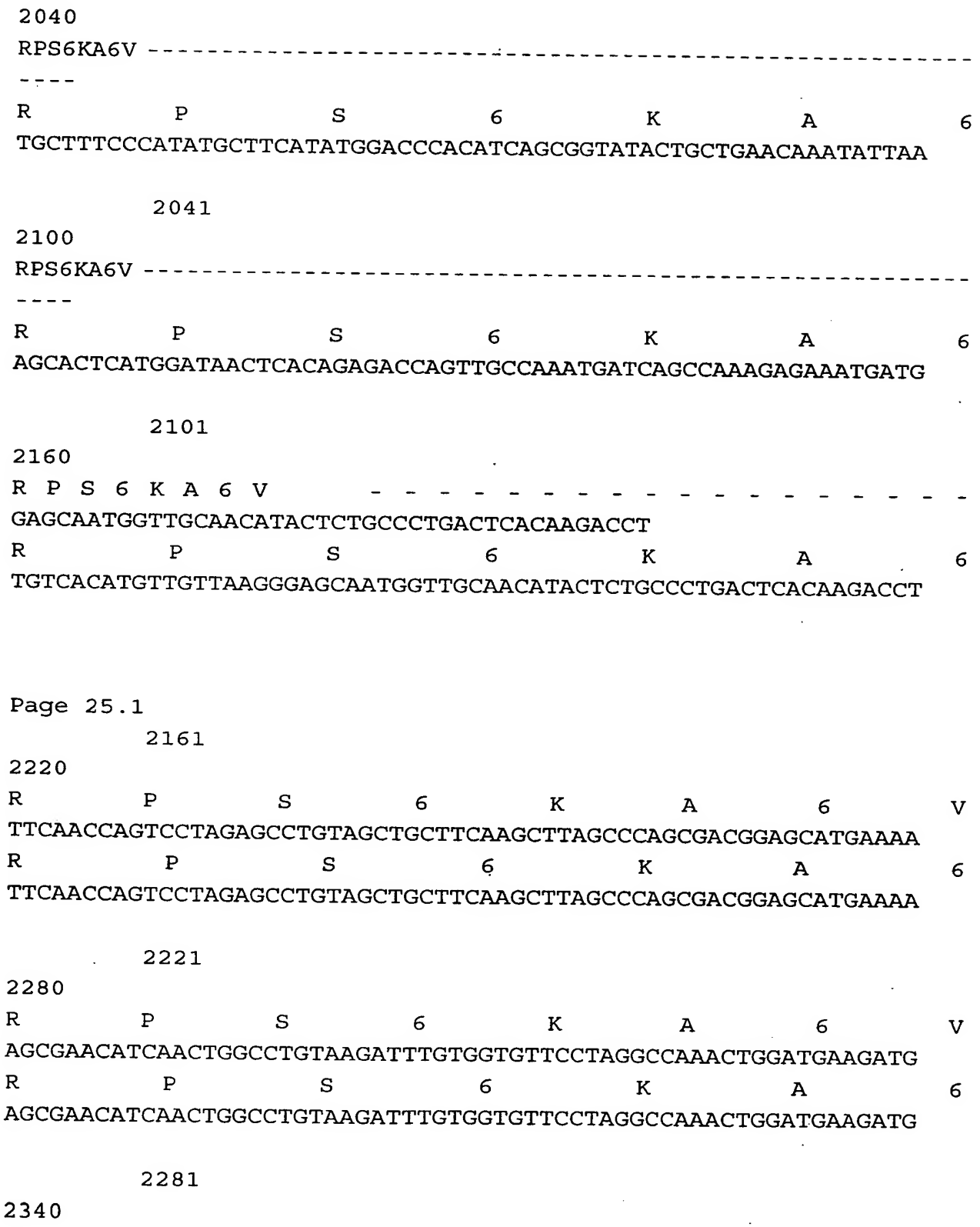
          1801
1860
R          P          S          6          K          A          6          V
ATGATGCTGCTTGTGATATCTGGAGTTTAGGAGTCCTTTTTTACACAATGTTGGCTGGCT
R          P          S          6          K          A          6
ATGATGCTGCTTGTGATATCTGGAGTTTAGGAGTCCTTTTTTACACAATGTTGGCTGGCT

          1861
1920
R          P          S          6          K          A          6          V
ACACTCCATTTGCTAATGGCCCCAATGATACTCCTGAAGAGATACTGCTGCGTATAGGCA
R          P          S          6          K          A          6
ACACTCCATTTGCTAATGGCCCCAATGATACTCCTGAAGAGATACTGCTGCGTATAGGCA

          1921
1980
R          P          S          6          K          A          6          V
ATGGAAAATTCTCTTTGAGTGGTGGAAACTGGGACAATATTTCAGACGGAGCAAAGG---
R          P          S          6          K          A          6
ATGGAAAATTCTCTTTGAGTGGTGGAAACTGGGACAATATTTCAGACGGAGCAAAGGATT

          1981
```

Fig. 2g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R P S 6 K A 6
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2101
2160
R P S 6 K A 6 V
GAGCAATGGTTGCAACATACTCTGCCCTGACTCACAAGACCT
R P S 6 K A 6
TGTCACATGTTGTTAAGGGAGCAATGGTTGCAACATACTCTGCCCTGACTCACAAGACCT
Page 25.1
2161
2220
R P S 6 K A 6 V
TTCAACCAGTCCTAGAGCCTGTAGCTGCTTCAAGCTTAGCCCAGCGACGGAGCATGAAAA
R P S 6 K A 6
TTCAACCAGTCCTAGAGCCTGTAGCTGCTTCAAGCTTAGCCCAGCGACGGAGCATGAAAA
2221
2280
R P S 6 K A 6 V
AGCGAACATCAACTGGCCTGTAAGATTTGTGGTGTTCCTAGGCCAAACTGGATGAAGATG
R P S 6 K A 6
AGCGAACATCAACTGGCCTGTAAGATTTGTGGTGTTCCTAGGCCAAACTGGATGAAGATG
2281
2340

Fig. 2h

```
R         P         S         6         K         A         6         V
AAATTAAATGTGTGGCTTTTTTCCTATTCTTATCAAAGGCATCGTTGTCTGCTAAATTAC
R         P         S         6         K         A         6
AAATTAAATGTGTGGCTTTTTTCCTATTCTTATCAAAGGCATCGTTGTCTGCTAAATTAC

          2341
2400
R         P         S         6         K         A         6         V
TTGAATATTAAGTAATATTAAATCCCCATTTTTAGGGGAAGTGAGATTTAAAAAACCATT
R         P         S         6         K         A         6
TTGAATATTAAGTAATATTAAATCCCCATTTTTAGGGGAAGTGAGATTTAAAAAACCATT

          2401
2460
R         P         S         6         K         A         6         V
CACAGGTCCACAATATTCATACTATGTGTTTGCAGTAGTGTTCAAGTGTTTATTTAAGCA
R         P         S         6         K         A         6
CACAGGTCCACAATATTCATACTATGTGTTTGCAGTAGTGTTCAAGTGTTTATTTAAGCA

          2461
2520
R         P         S         6         K         A         6         V
TATAATTGGTGTCCACCAGGTCCTCACAACTTCTCTGCACACAAGCTTCTAAAATTCCTT
R         P         S         6         K         A         6
TATAATTGGTGTCCACCAGGTCCTCACAACTTCTCTGCACACAAGCTTCTAAAATTCCTT

          2521
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RPS6KA6   TCAAATAAAGTTACTTTAATATTT    2544
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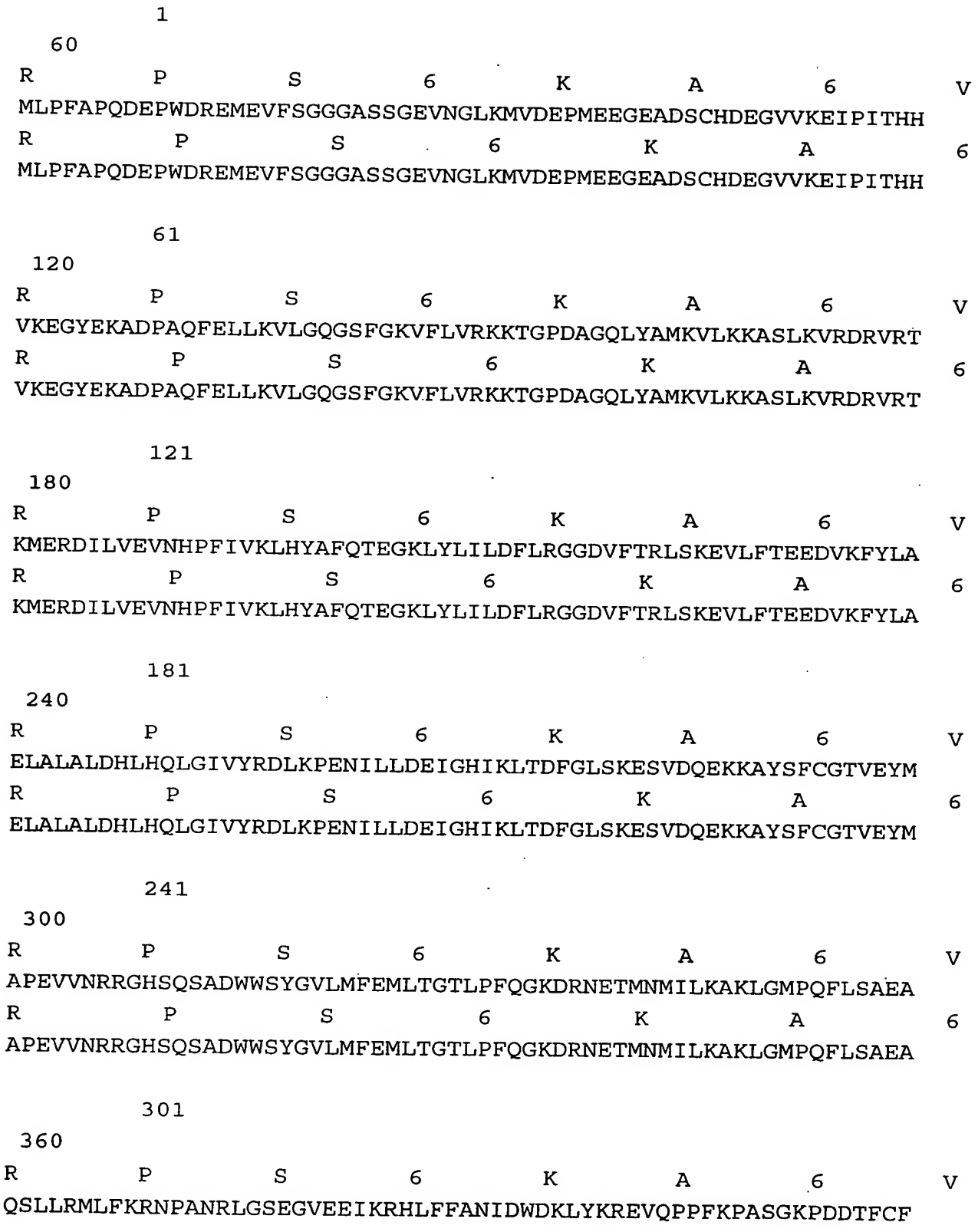
Fig. 3a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R P S 6 K A 6
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61
120
R P S 6 K A 6 V
VKEGYEKADPAQFELLKVLGQGSFGKVFLVRKKTGPDAGQLYAMKVLKKASLKVRDRVRT
R P S 6 K A 6
VKEGYEKADPAQFELLKVLGQGSFGKVFLVRKKTGPDAGQLYAMKVLKKASLKVRDRVRT
121
180
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R P S 6 K A 6
KMERDILVEVNHPFIVKLHYAFQTEGKLYLILDFLRGGDVFTRLSKEVLFTEEDVKFYLA
181
240
R P S 6 K A 6 V
ELALALDHLHQLGIVYRDLKPENILLDEIGHIKLTDFGLSKESVDQEKKAYSFCGTVEYM
R P S 6 K A 6
ELALALDHLHQLGIVYRDLKPENILLDEIGHIKLTDFGLSKESVDQEKKAYSFCGTVEYM
241
300
R P S 6 K A 6 V
APEVVNRRGHSQSADWWSYGVLMFEMLTGTLPFQGKDRNETMNMILKAKLGMPQFLSAEA
R P S 6 K A 6
APEVVNRRGHSQSADWWSYGVLMFEMLTGTLPFQGKDRNETMNMILKAKLGMPQFLSAEA
301
360
R P S 6 K A 6 V
QSLLRMLFKRNPANRLGSEGVEEIKRHLFFANIDWDKLYKREVQPPFKPASGKPDDTFCF

Fig. 3b

```
R          P          S          6          K          A          6
QSLLRMLFKRNPANRLGSEGVEEIKRHLFFANIDWDKLYKREVQPPFKPASGKPDDTFCF

          361
 420
R          P          S          6          K          A          6          V
DPEFTAKTPKDSPGLPASANAHQLFKGFSFVATSIAEEYKITPITSANVLPIVQINGNAA
R          P          S          6          K          A          6
DPEFTAKTPKDSPGLPASANAHQLFKGFSFVATSIAEEYKITPITSANVLPIVQINGNAA

          421
 480
R          P          S          6          K          A          6          V
QFGEVYELKEDIGVGSYSVCKRCIHATTNMEFAVKIIDKSKRDPSEEIEILMRYGQHPNI
R          P          S          6          K          A          6
QFGEVYELKEDIGVGSYSVCKRCIHATTNMEFAVKIIDKSKRDPSEEIEILMRYGQHPNI

          481
 540
R          P          S          6          K          A          6          V
ITLKDVFDDGRYVYLVTDLMKGGELLDRILKQKCFSEREASDILYVISKTVDYLHCQGVV
R          P          S          6          K          A          6
ITLKDVFDDGRYVYLVTDLMKGGELLDRILKQKCFSEREASDILYVISKTVDYLHCQGVV

          541
 600
R          P          S          6          K          A          6          V
HRDLKPSNILYMDESASADSIRICDFGFAKQLRGENGLLLTPCYTANFVAPEVLMQQGYD
R          P          S          6          K          A          6
HRDLKPSNILYMDESASADSIRICDFGFAKQLRGENGLLLTPCYTANFVAPEVLMQQGYD

          601
 660
R          P          S          6          K          A          6          V
AACDIWSLGVLFYTMLAGYTPFANGPNDTPEEILLRIGNGKFSLSGGNWDNISDGAK---
R          P          S          6          K          A          6
AACDIWSLGVLFYTMLAGYTPFANGPNDTPEEILLRIGNGKFSLSGGNWDNISDGAKDLL

          661
```

Fig. 4

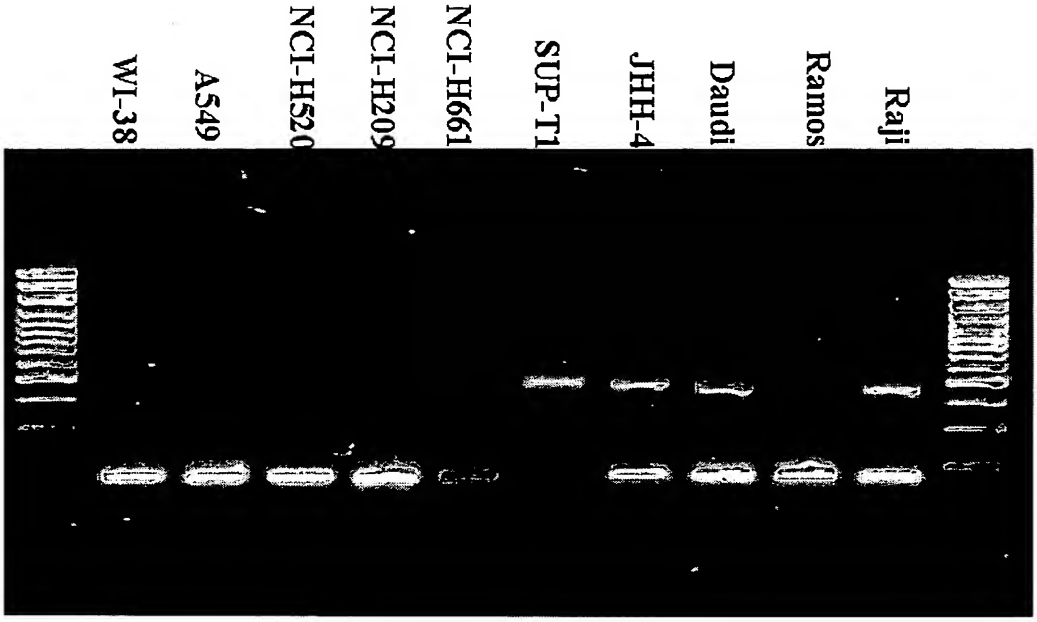

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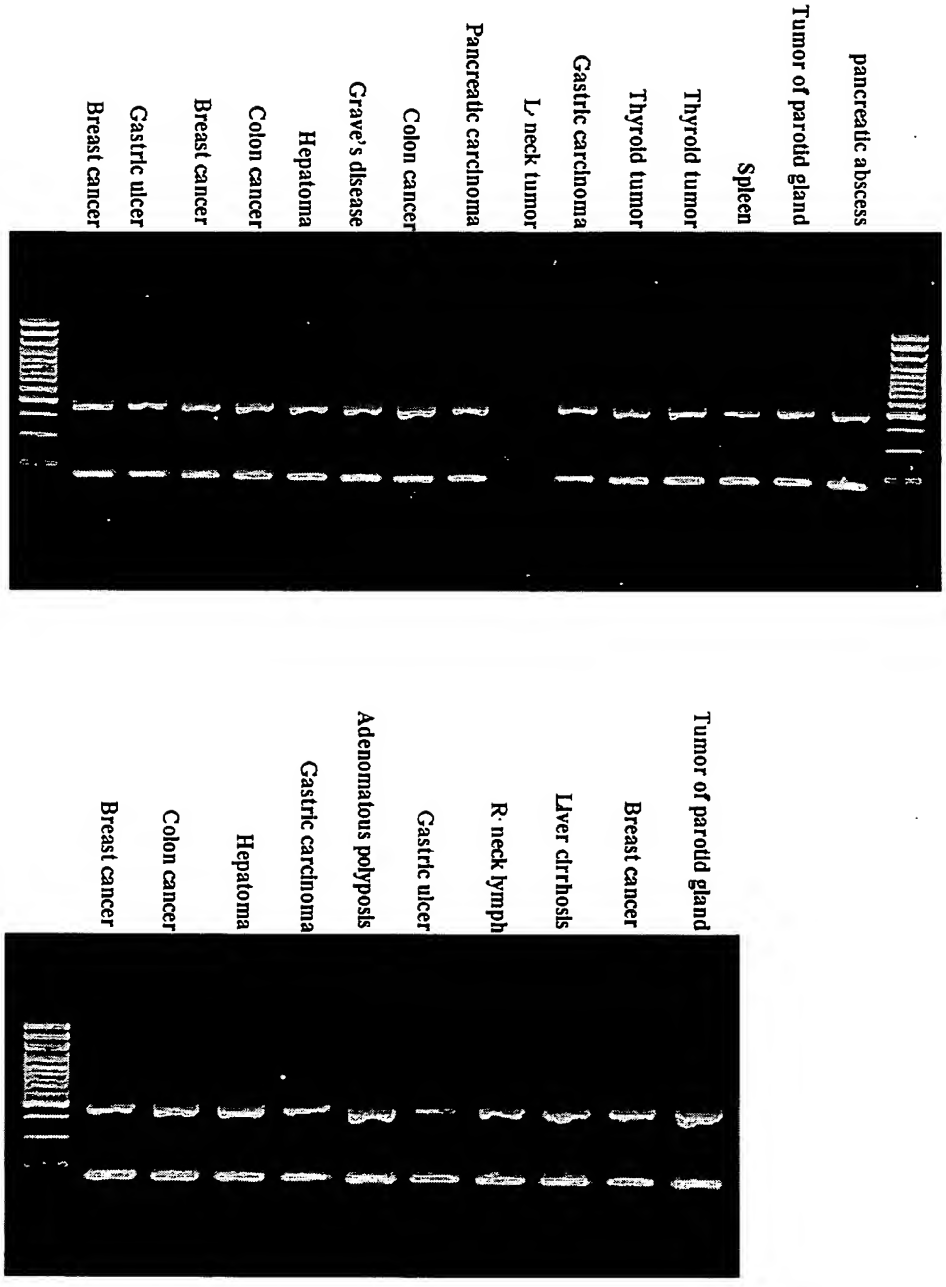
Fig. 5



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